

The winner competition

By Dr/Aliaa omar El Hady

25 - 12 – 2016

Quiz (1)
Spot diagnosis??



Aliaa Omar El-hady

Final answer:

Osteochondritis dissecans



Ashraf Shabana

حضرتك ... بعد انك اللي عليها سهم؟؟



Aliaa Omar El-hady

نعم

Ashraf Shabana

ما انا بسال عن ده ايه

Ashraf Shabana Finding ????

Aliaa Omar El-hady



Osteochondritis Dissecans

Osteochondritis dissecans (OCD) is a condition that develops in joints, most often in children and adolescents. It occurs when a small segment of bone begins to separate from its surrounding region due to a lack of blood supply. As a result, the small piece of bone and the cartilage covering it begin to crack and loosen.

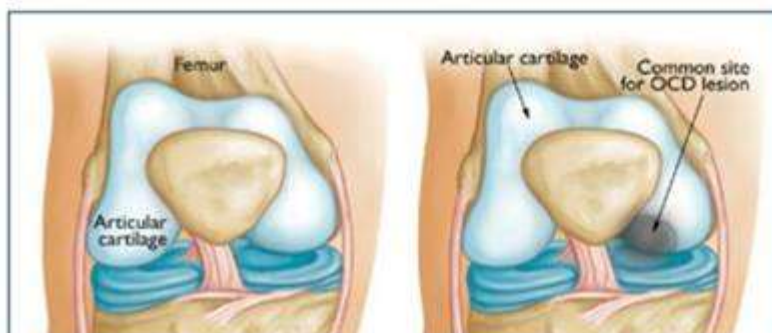
The most common joints affected by osteochondritis dissecans are the knee, ankle and elbow, although it can also occur in other joints. The condition typically affects just one joint, however, some children can develop OCD in several joints.

In many cases of OCD in children, the affected bone and cartilage heal on their own, especially if a child is still growing. In grown children and young adults, OCD can have more severe effects. The OCD lesions have a greater chance of separating from the surrounding bone and cartilage, and can even detach and float around inside the joint. In these cases, surgery may be necessary.

Anatomy

A joint is where the ends of bones meet, such as your knee, ankle, or shoulder joint. Healthy joints move easily because of a smooth, slippery tissue called articular cartilage. Cartilage covers and protects the ends of your bones where they meet to form a joint.

The most common location of OCD is in the knee at the end of the femur (thighbone).

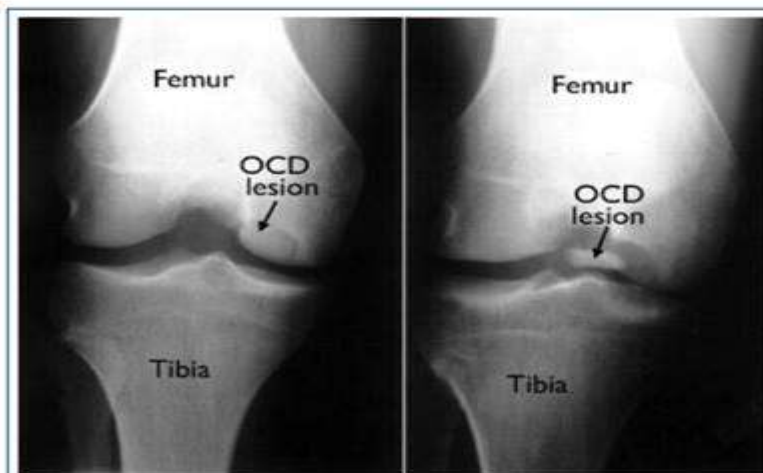


Aliaa Omar El-hady



initial OCD diagnosis, and to evaluate the size and location of the OCD lesion.

Magnetic resonance imaging (MRI) and ultrasound. These studies can create better images of soft tissues like cartilage. An MRI can help your doctor evaluate the extent to which the overlying cartilage is affected.



These x-rays show OCD of the knee in a skeletally mature adolescent. **(Left)** An OCD lesion at the end of the femur. **(Right)** The lesion has detached from the femur and is floating within the knee joint.

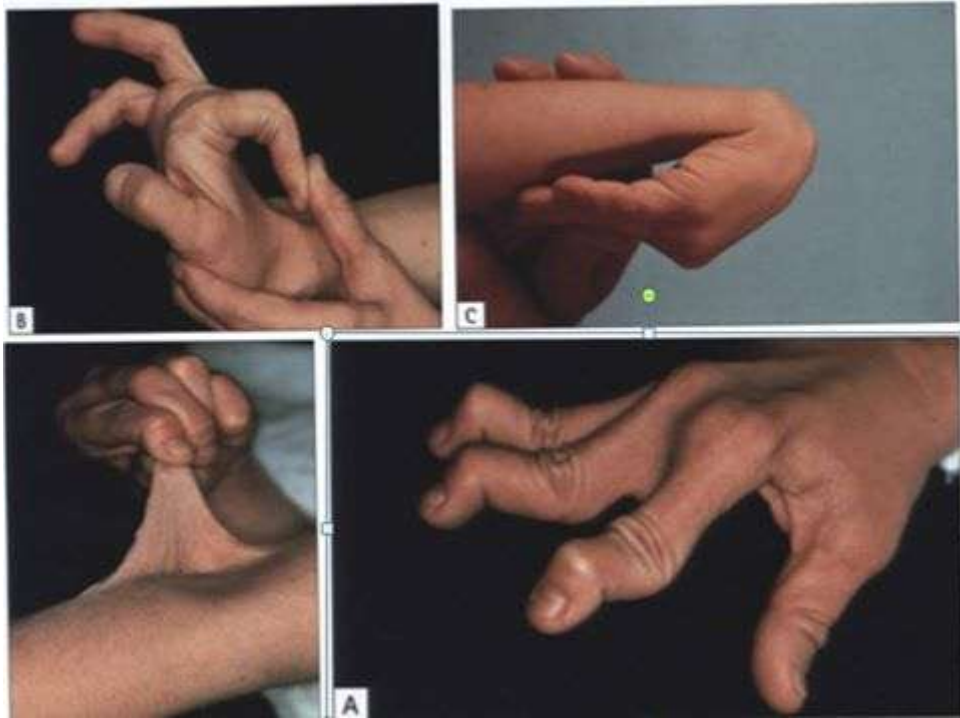
Reproduced with permission from Crawford DC, Safran MR: Osteochondritis dissecans of the knee. J Am Acad Orthop Surg 2006; 14: 90-100.



This MRI scan shows an OCD lesion in the femur of an 18-year-old patient.

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Quiz (2)
Spot diagnosis??



Aliaa Omar El-hady

Final answer:

Hypermobility syndrome



Quiz (3)
define the orthosis?
What is its use?



نيفان فؤاد wrist.and thumb support
Aliaa Omar El-hady

باقى السؤال؟

Ghada Ahmed Thumb spica with wrist extension
Aliaa Omar El-hady where is the wrist extension?? It is in neutral position

Rody Sabri Wrist finger orthosis thumb spica for thumb and wrist immobilization in painful conditions RA OA

Aliaa Omar El-hady
Like

Rasha Samir Wrist &thumb support
Aliaa Omar El-hady

باقى السؤال؟

Samar Olibah Wrist support with thumb spica for CTS & tendenitis & De Quervain

Ehab Ahmed Hand, wrist Ana forearm support. Hard type... for CT syndrome and Dequervain

Aliaa Omar El-hady any thumb support??

Ehab Ahmed Yes... I forgot. .
Thanks doctor

Fatma Ahmed Elhanafy Wrist splint with thumb spica
Aliaa Omar El-hady

باقى السؤال؟

Fatma Ahmed Elhanafy **Aliaa Omar El-hady** أسفه ماشفتوش
De quervain tenosynovitis والله ف

Safaa Sayed Wrist thumb support for painful wrist
condition and post operative

Samarino Helal Forearm Wrist hand finger orthosis with
thumb spica

Aliaa Omar El-hady

طالما ذكرتي thumb فين بقى ال fingers؟؟

Aliaa Omar El-hady

عموما حسبتهالك صح بس خلى بالك

Aliaa Omar El-hady

Final answer:

**Wrist support with thumb spica for CTS & tendenitis &
thumb OA &De Quervain syndrome**



Quiz (4)
Spot diagnosis??



Aliaa Omar El-hady

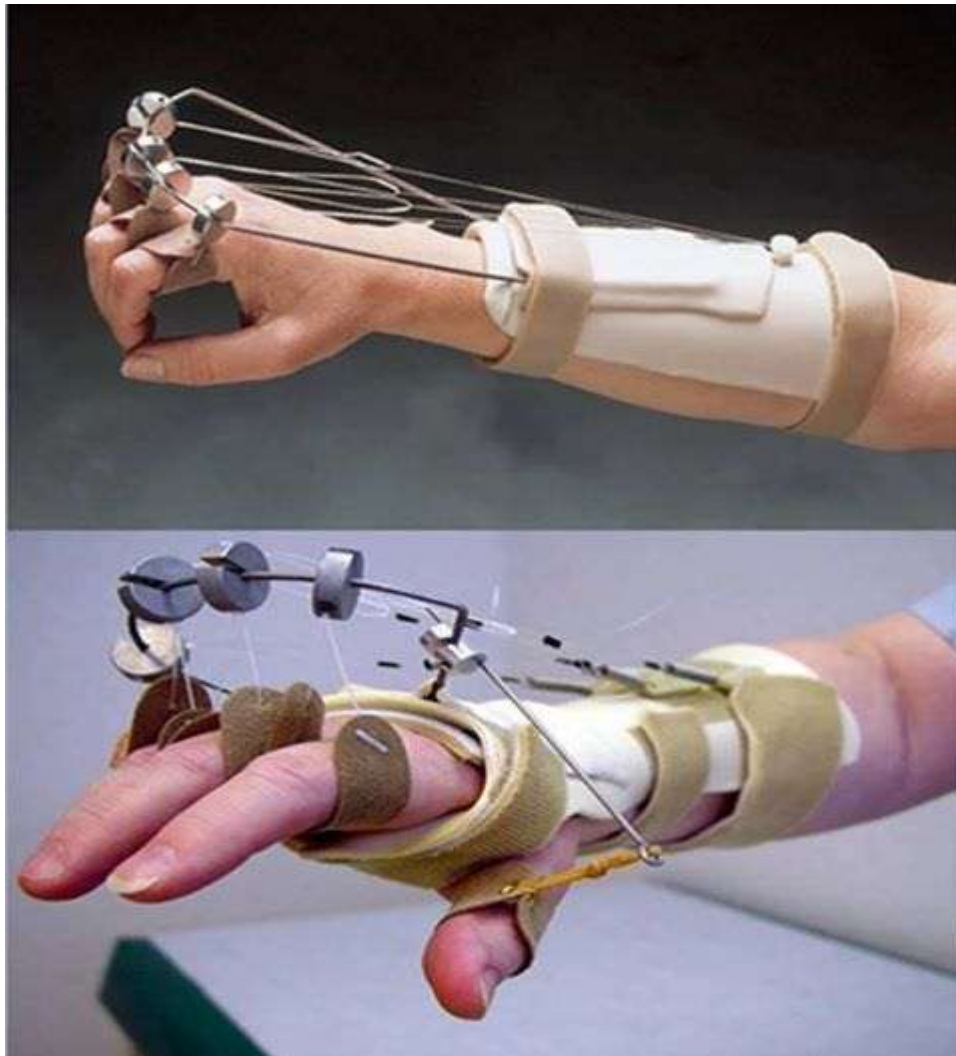
Final diagnosis :

Rotator cuff tear (upward migration of humeral head)
+ OA + calcification of tendons + frozen shoulder
(calcified capsule)



Xray showing both arthritis and big tear of rotator cuff tendon

Quiz (5)
define this orthosis?
Is it static or dynamic?
Its use?



نيفان فؤاد dynamic wrist and finger orthosis

Aliaa Omar El-hady

باقى السؤال؟

Rody Sabri Dynamic Wrist finger orthosis with extension assist used in hand drop and weak hand extensors radial nerve injury

Aliaa Omar El-hady

Neveen Arafa dynamic wrist finger orthosis for radial nerve injury

[Lobna Maged](#) Dynamic wrist finger orthosis with extension assist used for radial, posterior interosseous nerve injury

[Aliaa Omar El-hady](#)

Like · Reply · [4 January at 09:28](#)

[Rasha Samir](#) Dynamic wrist finger orthosis

[Aliaa Omar El-hady](#)

باقى السؤال؟

[Eman Omran](#) Dynamic Wrist finger orthosis with extension assist used in hand drop and weak hand extensors radial, posterior nerve injury

[Aliaa Omar El-hady](#)

[Samarino Helal](#) Dynamic Forearm wrist finger orthosis with extension

[Aliaa Omar El-hady](#)

باقى السؤال؟

[Aliaa Omar El-hady](#)

Final answer :

dynamic functional wrist hand orthosis (bango orthosis)...assist wrist and metacarpophalangeal extension... used in wrist and finger drop in radial nerve injury or weak wrist and hand long flexors



radial nerve palsy-dynamic
wrist, finger and thumb
extension splint *wrist at 30

Quiz (6)
Spot diagnosis??



[Ashraf Shabana](#) Soft tissue ossification for dd

[Aliaa Omar El-hady](#)

مع انها واضحة لانه juvenile

Aliaa Omar El-hady

Final diagnosis:

Calcinosis associated with juvenile dermatomyositis



Quiz (7)
Spot diagnosis??



Ehab Ahmed Rheumatic hand with ulner deviation.. and erosive arthritis of most of the small joints of the hand

Aliaa Omar El-hady rheumatic or rheumatoid??

Ashraf Shabana Rheumatic hand

Aliaa Omar El-hady rheumatic or rheumatoid??

Safaa Sayed Erosive OA

Aliaa Omar El-hady ??

Aliaa Omar El-hady

Final diagnosis:

Advanced rheumatoid hand with secondary OA.



Quiz (8)
define this deformity?



Aliaa Omar El-hady

Correct answer:

Boutonniere deformity of middle finger



Quiz (9)
Spot diagnosis??



Ehab Ahmed SLE hand
Aliaa Omar El-hady

مش

Samarino Helal Non erosive hand arthropathy mostly
jaccouds arthropathy

Aliaa Omar El-hady

Like

Aliaa Omar El-hady

Final diagnosis:

Jaccoud's arthropathy...

Jaccoud arthropathy (JA) is a deforming non erosive arthropathy characterised by ulnar deviation of the second to 5th fingers with MCP subluxation.

Pathology

Thought to be related to ligamentous laxity.

Location

Typically affects the metacarpophalangeal (MCP) joints but can also affect the proximal interphalangeal (PIP) joints of the hands, wrists and knees 2.

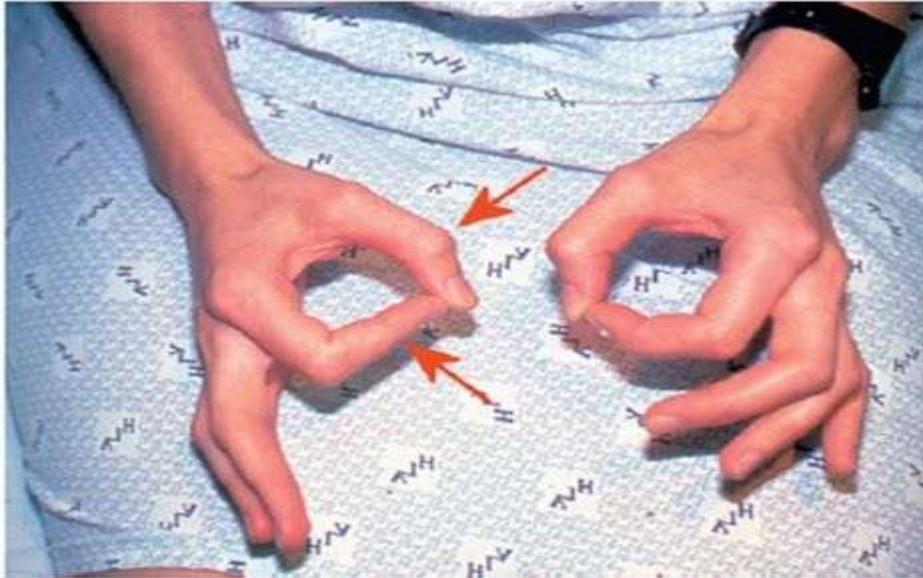
Radiographic features Plain film

hand x rays typically shows marked ulnar subluxation and deviation at the MCP jointsabsence of erosions is a

notable feature, evidence of muscle (soft tissue) atrophy
also may be present



Quiz (10)
define this sign?
What is its cause?



نيفان فؤاد anterior interossius nerveinjury
Aliaa Omar El-hady

باقى السؤال

Aliaa Omar El-hady

Final answer:

Anterior interosseous neuropathy.

Lesions of the anterior interosseous nerve result in weakness of the flexor pollicis longus, flexor digitorum profundus (to digits 2, 3, or both), and pronator quadratus. Patients characteristically are unable to make an “OK” sign (i.e., form a circle with thumb and index finger). The thumb and index finger are unable to flex at the interphalangeal joints and the distal interphalangeal joints, respectively (arrows).



Quiz (11)

define this test?

Is it motor or sensory?

The delay between minimum and maximum defined as what?



Amg Amg F wave testing

Motor

Aliaa Omar El-hady

ناقص جزء من السؤال

Sara Saeed F wave study

Motor study

Choronodispertion (proximal affection)

[Aliaa Omar El-hady](#)

Like

[Rody Sabri](#) F wave motor study chronodispersion

[Aliaa Omar El-hady](#)

[Lobna Maged](#) F wave

Motor study

Chronodispersion

[Aliaa Omar El-hady](#)

Like

[Ehab Ahmed](#) F wave..

[Aliaa Omar El-hady](#)

فيه جزئين ناقصين من السؤال

[Ehab Ahmed](#)

صح...

مع أنها سهلة .. وعارفها والله

[Fatma Ahmed Elhanafy](#) F wave

Motor test

Choronodispersion

Proximal affection

Like .

[Aliaa Omar El-hady](#)

Final answer:

F wave study..Motor study..Choronodispertion (proximal affection)



Quiz (12)

This is a RA patient with complication... mention the 3 complications



Tamer Elfarahaty

1) shoulder pad sign due to amyloid deposit . May be AC subluxation as left acromion is more prominent than right

2) swan neck deformity & rheumatoid nodules

3) secondary vasculitis with ulcer

Aliaa Omar El-hady

Aliaa Omar El-hady

Final diagnosis:

1) SHOULDER PAD SIGN (AMYLOIDOSIS 2RY)

2) Rheumatoid nodules on swan neck deformity

3) VASCULITIS



[Aliaa Omar El-hady](#) Many thanks to Dr. [Tamer Elfarahaty](#) ...the only one who gives full answer

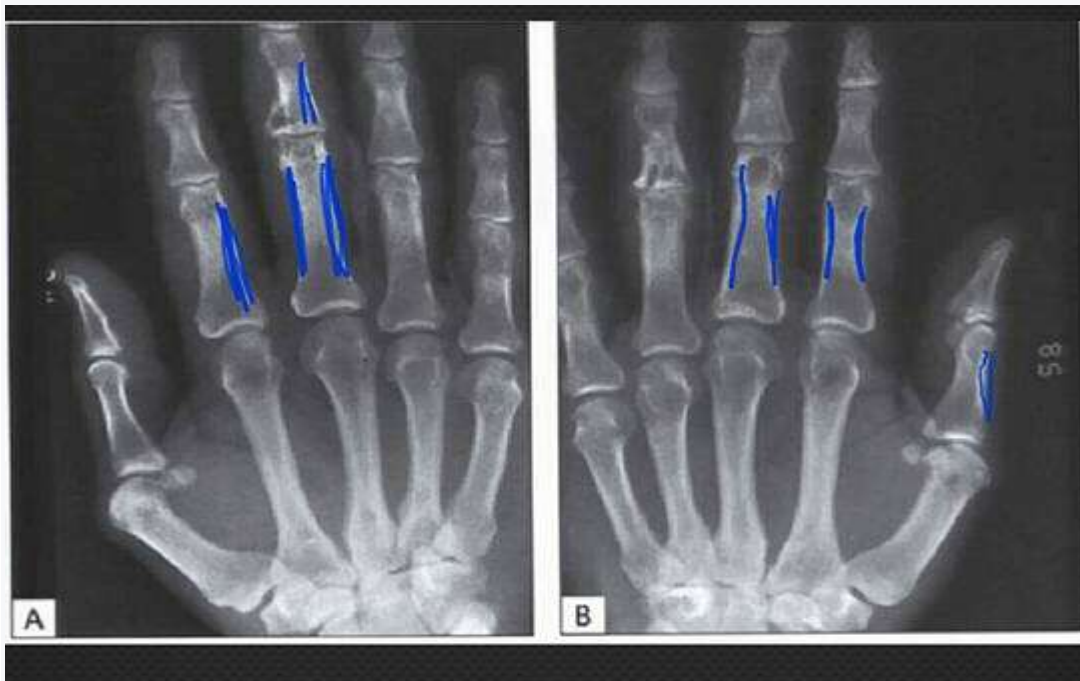


Quiz (13)
Spot diagnosis??



Amg Amg Bony cysts with periosteal reaction
Hyperparathyroidism or sarcoidosis
Aliaa Omar El-hady where is the periosteal reaction??
Amg Amg

اقصد دة



Samarino Helal Periarticular osteopenia, perosteal reaction

Aliaa Omar El-hady where is the periosteal reaction??

Aliaa Omar El-hady

Final diagnosis:

Osseous lesion in chronic sarcoidosis



FIGURE 8-43. Osseous lesions in chronic sarcoidosis. **A**, and **B**, Hand radiographs. Chronic sarcoid arthritis is characterized by a persistent or remitting polyarthritis, often with dactylitis. Cutaneous lesions are often present. Synovial biopsy reveals characteristic granulomas. Although generally nonerosive, the association with osseous lesions may lead to destructive, often cystic, bony changes [19]. (Courtesy of Thomas H. Benquist, MD.)

Fatma Ahmed Elhanafy

باین مالقتش السؤال دا مش مجاوبه 🤔

Aliaa Omar El-hady

الى كتب Perarticular osteopenia...bony cysts ... اخذ الدرجة

Quiz (14)

What is the main extensor of the hip?

What is its nerve supply



نيفان فؤاد gluteus maximus

Aliaa Omar El-hady

باقى السؤال؟

Samarino Helal Gluteus maximus from sup,inferior gluteal

Aliaa Omar El-hady

superior & inferior؟؟التتين؟؟

Aliaa Omar El-hady

Final answer:

Hip Extension (L5, S1):

With the patient lying prone, direct the patient to lift their leg off the table against resistance. Test each leg separately. The main hip extensor is the gluteus maximus, innervated by inferior gluteal nerve.



Quiz (15)

Diabetic patient....Spot diagnosis??



Smaa Mohsen Diabetic cheiropathy

Aliaa Omar El-hady

Like

Aliaa Omar El-hady

Final diagnosis:

Diabetic cheiroarthropathy



Quiz (16)
Spot diagnosis??



Aliaa Omar El-hady

Final diagnosis:

Tophaceous gouty arthritis

(multiple punched out erosions)



Quiz (17)
Spot diagnosis??



Aliaa Omar El-hady

Final diagnosis:

lateral view of plain x ray ankle joint and sub talar joint showing :Charcot joint



Quiz (18)
define the signs and the disease?



[Alia Atallah](#) Marfan's syndrome

Steinberg sign and

Walker- Murdoch sign

[Gigi Elzohirey](#) Steinberg sign

Walker murdoch sign

Marfan syndrome

[Alia Atallah](#) Steinberg sign:

Procedure: instruct the patient to fold his thumb into the closed fist. This test is positive if the thumb tip extends from palm of hand.

Walker-Murdoch sign:

Procedure: instruct the patient to grip his wrist with his opposite hand. If thumb and fifth finger of the hand overlap with each other, this represents a positive sign.

[Ahmed Alsalehy](#) Thanks for explanation

[Aliaa Omar El-hady](#)

شكرا يا جماعة على التوضيح الجميل ده ... بس احب اعرفكم انها مسابقة !!!!

Aliaa Omar El-hady

Final answer

A) Thumb sign(steinberg) sign.

B) waker murdouch sign .

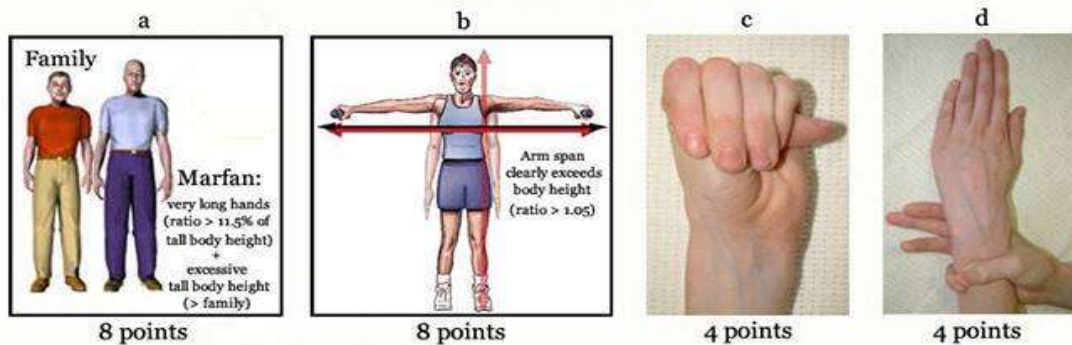
Tests for Marfan syndrome

- Marfan Syndrome Hand Test -

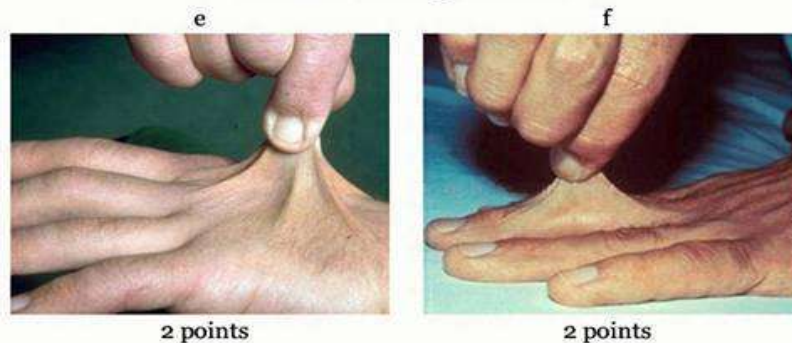
(Adults: 17 points or more required for positive testing; children: 18 points or more)

PICTURES

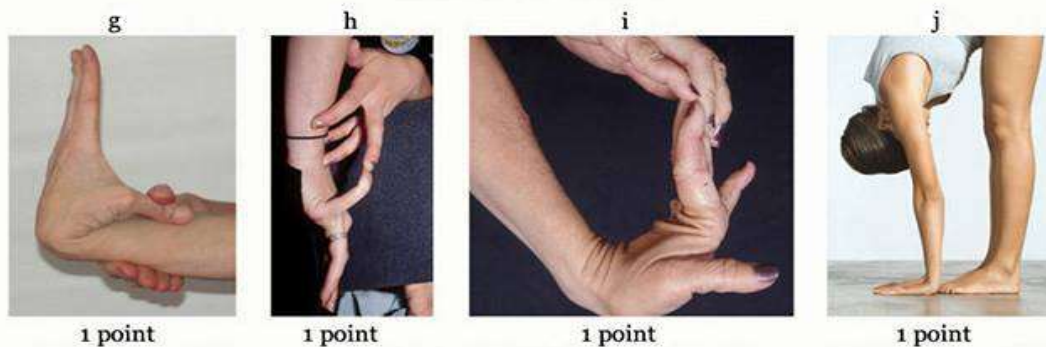
HAND SHAPE:



HAND SKIN QUALITY:



HAND MOTORICS:



Quiz (19)
Spot diagnosis??



[Aliaa Omar El-hady](#) Final answer: solid ankle cushioned heel foot prosthesis(SACH)



Quiz (20)
Spot diagnosis??



[Aliaa Omar El-hady](#)
Silicon Heel chusion for planter fascitis & calcaneal spur

